

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	Attorney Docket No.: ASAIN0173
	)	
Kazuhiko KATSUMATA	)	Confirmation No.: 6594
	)	
Serial No.: 10/562,498	)	Group Art Unit: 3749
	)	
Filed: December 27, 2005	)	Examiner: Gregory A. WILSON
	)	
For: GAS COOLING TYPE VACUUM	)	Date: August 26, 2009
HEAT TREATING FURNACE AND	)	
COOLING GAS DIRECTION	)	
SWITCHING DEVICE THEREFOR	)	

**TELEPHONE INTERVIEW SUMMARY AND SECOND REQUEST FOR  
RECONSIDERATION OF INFORMATION DISCLOSURE STATEMENT FILED  
MAY 18, 2009**

**MAIL STOP: ISSUE FEE**  
U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In view of the telephone interview conducted between Examiner Gregory A. Wilson (571-272-4882) and Applicant's attorney, Wesley Ashton, on August 26, 2009, please enter the following comments regarding the application identified above in accordance with MPEP § 713.04:

**Remarks/Arguments** begin on page 2 of this paper.

**REMARKS**

Applicant's attorney, Wesley Ashton, contacted Examiner Gregory A. Wilson (571-272-4482) to follow up on the Telephone Interview of July 30, 2009. The Examiner had not yet issued a Supplemental Notice of Allowance indicating that all references cited on the Information Disclosure Statement (IDS) filed on May 18, 2009 had been considered. Examiner Wilson pointed out that JP 08-295926 has already been considered. Further investigation into Foreign Patent Document No. 8 of the USPTO form PTO/SB/08 filed May 18, 2009, listed as "2731127," indicates that it is the Japanese Patent corresponding to JP 08-295926 (See, e.g., "Exhibit A," filed herewith, which is a two page document from Patent Abstracts of Japan). Applicant's attorney also informed Examiner Wilson that the USPTO PAIRs database shows that a copy of Japanese Patent 2731127 was filed on May 18, 2009 and is of record (See "Exhibit B," filed herewith, which is a download from the USPTO PAIRs database on July 30, 2009, marked with an arrow to show which reference is a copy of JP 08-295926 and a second arrow to show which reference is a copy of Japanese Patent 2731127).


In view of the above facts, Examiner Wilson agreed to consider the Japanese Patent 2731127, of record, and to issue a supplemental Notice of Allowance indicating that the reference has been considered, or to take any additional action the Examiner believes is appropriate.

Thus, Applicant respectfully requests that the Examiner reconsider the Information Disclosure Statement filed on May 18, 2009.

The below-signed attorney for Applicant welcomes any questions.

Respectfully submitted,

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## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-295926 *patent No 2731127*  
 (43)Date of publication of application : 12.11.1996

(51)Int.Cl. C21D 1/773  
 C21D 1/18  
 F27B 9/02  
 F27B 9/30  
 F27D 1/18  
 F27D 7/00



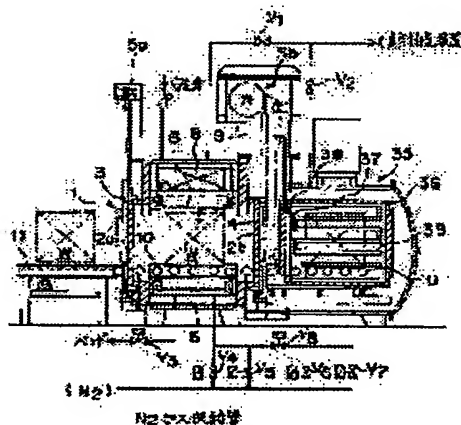
(21)Application number : 07-098530 (71)Applicant : CHUGAI RO CO LTD  
 (22)Date of filing : 24.04.1995 (72)Inventor : NAKATANI YOSHIO  
 HIRABAYASHI TERUYOSHI

## (54) MANY CHAMBER TYPE HEAT TREATMENT FURNACE

## (57)Abstract:

**PURPOSE:** To reduce the consumption of cooling gas and to unnecessitate a pressure-proof structure of a door-hood by arranging the door-hood between a heating chamber and a gas cooling chamber and arranging a clutch type closed door at the heating chamber side of the gas cooling chamber and a heat insulating door of the heating chamber as an elevating type in the door-hood.

**CONSTITUTION:** A treating material W executing heating-treatment in an inner chamber 36 of the heating chamber 35 is taken out through the elevating type heat insulating door 38 and introduced into the gas cooling chamber 1 through an intermediate door 4, and after cooling with the cooling gas, the treating material is taken out through an ejecting door 3. At this time, the intermediate door 4 and the ejecting door 3 are made to the clutch type closed door freely elevatable/lowerable and the door-hood 9 is arranged between the heating chamber 35 and the gas cooling chamber 1 and the intermediate door 4 and the heat insulating door 38 are made to elevatable/lowerable with an elevating means 5b in the door-hood 9. By this constitution, since the cooling gas is supplied only into the cooling chamber 1 and is not supplied into the door-hood 9 as the conventional constitution, the consumption of the cooling gas is reduced, and since the high pressure cooling gas is not supplied in the door-hood 9, the door-hood is unnecessary to be the pressure-proof structure and the cost of equipment can be saved.



## LEGAL STATUS

[Date of request for examination] 24.04.1995  
 [Date of sending the examiner's decision of rejection]  
 [Kind of final disposal of application other than

the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

2731127

3 patent

[Date of registration]

19.12.1997

[Number of appeal against examiner's decision  
of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

10/562,498

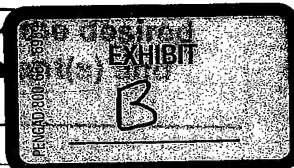
**GAS COOLING TYPE VACUUM HEAT TREATING FURNACE AND  
COOLING GAS DIRECTION SWITCHING DEVICE THEREFOR**

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This application is officially maintained in electronic form. To View: Click  
Document Description. To Download and Print: Check the desired document  
click PDF.

**Bibliographic Data**

Mail Room Date	Document Code	Document Description	Document Category	Page Count
07-24-2009	NOA	<b>Notice of Allowance and Fees Due (PTOL-85)</b>	PROSECUTION	6
07-24-2009	1449	List of References cited by applicant and considered by examiner	PROSECUTION	3
07-24-2009	SRFW	Search information including classification, databases and other search related notes	PROSECUTION	1
07-24-2009	IIFW	Issue Information including classification, examiner, name, claim, renumbering, etc.	PROSECUTION	1
07-24-2009	1449	List of References cited by applicant and considered by examiner	PROSECUTION	2
07-01-2009	PET.DEC.TC	Petition decision routed to the Technology Center Legal Instrument Examiners to act on the decision or continue prosecution.	PROSECUTION	1
06-25-2009	PETWDISS	Petition to Withdraw from Issue	PROSECUTION	1
06-25-2009	WFEE	Fee Worksheet (PTO-875)	PROSECUTION	2
06-25-2009	N417	EFS Acknowledgment Receipt	PROSECUTION	2
05-18-2009	RCEX	Request for Continued Examination (RCE)	PROSECUTION	3
05-18-2009	WFEE	Fee Worksheet (PTO-875)	PROSECUTION	2
05-18-2009	N417	EFS Acknowledgment Receipt	PROSECUTION	3
05-18-2009	TRAN.LET	Transmittal Letter	PROSECUTION	2
05-18-2009	FOR	Foreign Reference	PRIOR ART	21
05-18-2009	FOR	Foreign Reference	PRIOR ART	21
05-18-2009	FOR	Foreign Reference	PRIOR ART	16
05-18-2009	FOR	Foreign Reference	PRIOR ART	10
05-18-2009	FOR	Foreign Reference	PRIOR ART	6
05-18-2009	FOR	Foreign Reference	PRIOR ART	8
05-18-2009	FOR	Foreign Reference	PRIOR ART	5
05-18-2009	IDS	Information Disclosure Statement (IDS) Filed (SB/08)	PROSECUTION	3
05-18-2009	TRAN.LET	Transmittal Letter	PROSECUTION	1
01-14-2009	IFEE	Issue Fee Payment (PTO-85B)	PROSECUTION	1
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01-14-2009	N417	EFS Acknowledgment Receipt	PROSECUTION	2
12-18-2008	TRAN.LET	Transmittal Letter	PROSECUTION	2
12-18-2008	IDS	Information Disclosure Statement (IDS) Filed (SB/08)	PROSECUTION	2
12-18-2008	TRAN.LET	Transmittal Letter	PROSECUTION	2
12-18-2008	FOR	Foreign Reference	PRIOR ART	16
12-18-2008	FOR	Foreign Reference	PRIOR ART	6
12-18-2008	NPL	NPL Documents	PRIOR ART	3
12-18-2008	WFEE	Fee Worksheet (PTO-875)	PROSECUTION	2
12-18-2008	N417	EFS Acknowledgment Receipt	PROSECUTION	3



Corresponds to  
JP 2008-195926

Corresponds to  
Japanese Patent  
No. 273116